

**CLASS SPECIFICATION**  
**SAN DIEGO CITY CIVIL SERVICE COMMISSION**  
**ELECTRICIAN**

**DEFINITION:**

Under general supervision, to install, modify, service, maintain, and repair highway and street lighting systems, electrical wiring, power systems, and equipment; and to perform related work.

**\* EXAMPLES OF DUTIES:**

- Installs, tests, repairs, and replaces conduits, ducts, transformers, electrical and electronic circuits, wires, high and low voltage cables, and communication cables;
- Installs and maintains varied equipment such as building lighting systems, motors, heating and ventilating wiring systems, panel boards, programmable controllers, airport lighting, fire alarms, traffic signals, street lights, and general flood lighting;
- Clears debris from damaged high voltage street lighting circuits and traffic signals and effects all repairs necessary to restore normal service;
- Reads blueprints and plans of electrical installations;
- Salvages materials and parts from used equipment;
- Builds special electrical equipment and apparatus;
- Constructs and repairs decorative lighting;
- Splices cable;
- Makes estimates keeps records of costs;
- Requisitions materials;
- Assists in training apprentices and leads the work of subordinate personnel;
- Drives assigned vehicle.

**MINIMUM QUALIFICATIONS:**

Please note: the minimum qualifications stated below are a guide for determining the education, training, experience, special skills, and/or license which may be required for employment in the class. These are re-evaluated each time the position is opened for recruitment. Please refer to the most recent Job Announcement for updated minimum qualifications.

Successful completion of a State-accredited four-year or five-year Electrician Apprenticeship Program; **OR** five years of experience in all phases of work as a journey-level Electrician. Qualifying experience must include commercial or industrial wiring, and installation and repair of electrical conduit systems. Possession of a valid California Class C Driver's License. A valid California Class B Driver's License may be required for some positions.

- \* EXAMPLES OF DUTIES** performed by employees in this class. The list may not include all required duties, nor are all listed tasks necessarily performed by everyone in this class.